

Engineering Drawing MCQ Question Answer

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Question: 1. This is the measured size of a finished part:

- Option A. Actual size
- Option B. Dimensioned size
- Option C. Production size
- Option D. Basic size

Question: 2. In an assembly section, these parts should have their section lines left out or shown solid black:

- Option A. Bolts
- Option B. All fasteners
- Option C. Thin parts
- Option D. Rivets

Question: 3. In this type of section, one quarter of the object is removed:

- Option A. Revolved section
- Option B. Removed section
- Option C. Quarter section
- Option D. Half section

Question: 4. In the section view, the areas that would have been in actual contact with the cutting plane are shown with:

- Option A. A cutting plane line
- Option B. Section lining
- Option C. Visible lines
- Option D. Lines and arrows

Question: 5. In developing a multi-view drawing, the drafter can use a _____ line to help locate the top and right side views.

- Option A. Object
- Option B. Hidden
- Option C. Dimension
- Option D. Miter

Question: 6. These plans, made by the steel fabricator, are assembly drawings for the steel structure:

- Option A. Welding plans
- Option B. Assembly plans
- Option C. Construction plans

Option D. Erection plans

Question: 7. The type of line that projects from an object for the express purpose of locating a dimension is a _____ line.

Option A. Visible

Option B. Hidden

Option C. Extension

Option D. Dimension

Question: 8. 4.The principle reason for using an auxiliary view is _____.

Option A. To eliminate hidden lines

Option B. To create a true projection plane from an inclined plane in one of the primary views

Option C. To show cylinders as ellipses

Option D. To locate center marks

Question: 9. This type of solid is egg-shaped and can be created by revolving an ellipse around one of its axes:

Option A. Ellipsoid

Option B. Torus

Option C. Cone

Option D. Cylinder

Question: 10. An engineer's scale would be used to measure lines on a drawing where the scale factor reads _____.

Option A. $1/4 = 1'-0$

Option B. $1/8 = 1'-0$

Option C. $1 = 100'$

Option D. $3/4 = 1'-0$

Question: 11. When setting up a mechanical drawing in Auto-CAD the drafter should set the units to _____.

Option A. Fractional

Option B. Decimal

Option C. Architectural

Option D. Metric

Question: 12. These maps are used in planning installations of trees, shrubbery, drives, and other garden features:

Option A. Landscape maps

Option B. Engineering maps

Option C. Topographic maps

Option D. Cadastral maps

Question: 13. A line drawn with a long section, short dash, and another long section is a _____.

- Option A. Hidden feature
- Option B. Center of a circle
- Option C. Center axis of a hidden cylinder
- Option D. Center of a radius

Question: 14. Lines of an isometric drawing that are not parallel to the isometric axes are called this:

- Option A. Trimetric lines
- Option B. Non-isometric lines
- Option C. Multiview lines
- Option D. Dimetric lines

Question: 15. A _____ is the person responsible for verifying that the drawings in a project set are free of mistakes.

- Option A. Client
- Option B. CAD trainee
- Option C. Receptionist
- Option D. Checker

Question: 16. Using the Relative Polar Coordinate System to add a 3 inch line that is 45 degrees from the end point of the line created above the drafter would _____.

- Option A. Type @3<45 and enter
- Option B. Type 3 back slash and enter
- Option C. Type 3 forward slash and enter
- Option D. Type 3 and try to use the Dynamic Input readout to find the end point

Question: 17. The edges of a cube in isometric projection make angles of this many degrees with each other:

- Option A. 30
- Option B. 60
- Option C. 90
- Option D. 120

Question: 18. This allows the designer to conceptualize objects more easily without having to make costly illustrations, models, or prototypes:

- Option A. Computer-aided manufacturing
- Option B. Computer-aided design
- Option C. Computer-aided engineering
- Option D. Computer-aided prototyping

Question: 19. To avoid having to dimension to a hidden feature the drafter can utilize a _____ section.

- Option A. Whole
- Option B. Half
- Option C. Broken out
- Option D. All of the above

Question: 20. This is a systematic approach that integrates the design and manufacture of products with the goal of optimizing the process:

- Option A. Traditional engineering design
- Option B. The manufacturing process
- Option C. Concurrent design
- Option D. Design for recycling

Question: 21. When the receding lines are true length, and the projectors are at 45 degrees to the plane of projection, the oblique drawing is called this:

- Option A. Cabinet projection
- Option B. Cavalier projection
- Option C. Axonometric projection
- Option D. Isometric projection

Question: 22. When using versions of Auto-CAD prior to Release 2006 it may be necessary to _____ a block in order to edit it.

- Option A. Copy
- Option B. Explode
- Option C. Offset
- Option D. None of the above

Question: 23. Switches and relays should be shown in this position with no operating force or applied energy:

- Option A. Normal
- Option B. Closed
- Option C. Offset
- Option D. Application

Question: 24. This is the range of digital or hard copy documents that specify the physical function requirements for a product:

- Option A. Product design
- Option B. Product definition
- Option C. Drawing definition
- Option D. Engineering design

Question: 25. In oblique sketches, the most commonly used angles for receding lines are:

- Option A. 15 or 30 degrees
- Option B. 25 or 30 degrees

Option C. 30 or 45 degrees

Option D. 45 or 60 degrees

Question: 26. Some traditional board drafters preferred the drafting machine over the parallel straight edge because it could be used without the need for_____.

Option A. Circle templates

Option B. Triangles

Option C. Technical pens

Option D. Lettering guides

Question: 27. 5.These items typically are not used in new designs, but are still common in high-power amplifiers:

Option A. Amplifier tubes

Option B. Electron tubes

Option C. Signal relays

Option D. Switches

Question: 28. Students can complete an associate's degree in drafting which normally takes about _____ years to complete.

Option A. One

Option B. Two

Option C. Three

Option D. Four

Question: 29. The thread note for a typical bolt will include the _____.

Option A. Major diameter of the thread

Option B. Material

Option C. Center line

Option D. Offset distance

Question: 30. When positioning this feature of perspective projection, the centerline of the cone of visual rays should be directed toward the approximate center of the object:

Option A. Station point

Option B. Vanishing point

Option C. Horizon

Option D. Ground line

1	A	
2	C	
3	D	
4	B	
5	D	
6	D	
7	C	
8	B	
9	A	
10	C	
11	B	
12	A	
13	C	
14	B	
15	D	
16	A	
17	D	
18	B	
19	D	
20	C	
21	B	
22	B	
23	A	
24	B	
25	C	
26	B	
27	B	
28	B	
29	A	
30	A	